

Title (en)

METHOD AND SYSTEM FOR CONNECTING AND METERING DISTRIBUTED ENERGY RESOURCE DEVICES

Title (de)

VERFAHREN UND SYSTEM ZUM VERBINDEN UND MESSEN VON VERTEILTEN ENERGIEQUELLENVORRICHTUNGEN

Title (fr)

PROCÉDÉ ET SYSTÈME DE CONNEXION ET DE MESURE DE DISPOSITIFS À RESSOURCES ÉNERGÉTIQUES DISTRIBUÉES

Publication

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Application

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Priority

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Abstract (en)

The disclosure relates to an electric meter and a system for connecting and metering distributed energy resource devices. The electric meter comprises a plurality of connectors configured to form electrical connections to corresponding plurality of receptacles in an electric meter socket, wherein at least one electrical connection to the plurality of receptacles is formed with a neutral wire; and a plurality of measurement devices configured to measure electrical characteristics of voltage and current waveforms provided to the electric meter from an electric distribution system and a distributed energy resource (DER) device via the plurality of connectors, wherein the neutral wire provides an electrical reference point for measurement of the voltage waveforms.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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BA ME

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DOCDB simple family (publication)

US 10948516 B2 20210316; **US 2020225263 A1 20200716**; AU 2020206320 A1 20210722; CA 3125301 A1 20200716; EP 3908843 A1 20211117; EP 3908843 B1 20230503; EP 4080225 A1 20221026; EP 4080226 A1 20221026; JP 2022516975 A 20220303; JP 7483721 B2 20240515; US 11415598 B2 20220816; US 11428710 B2 20220830; US 2021148948 A1 20210520; US 2021148949 A1 20210520; WO 2020146314 A1 20200716

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